

Metal Lath

. . BUILDING
ACCESSORY PRODUCTS
AND STEEL PLASTERING
COMMODITIES



BERGER MANUFACTURING DIVISION

Republic Steel Corporation
CANTON OHIO



BUILDING PRODUCTS

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THE Berloy Blue Label Line of Steel Building Products is manufactured in the modern plants of Berger Manufacturing Division, Republic Steel Corporation. Famous as successful pioneers in fabricated metal products, Berger is constantly developing means and methods of product improvement—intent on offering the best in design and quality materials so that you may be certain of complete satisfaction on every job. Warehouse stocks of the complete Blue Label Line are carried for quick convenient service in the cities listed on the back cover. All are available in Toncan Iron, Berloy Copper Alloy, Berloy Open Hearth Steel, Terne and Copper. Send for the Steel Building Products Catalog illustrating the entire line which includes:

Roofing and Siding
Eaves Trough and Pipe
Ridge Rolls and Valleys
Fittings for Above
Terne and Coke Plate
Terne Rolls and Roofing
Metal Ceilings
Metal Lath and Accessories
Nails, Fence and Wire
Barb Wire, Staples, Posts

BERLOY METAL LATH CONSTRUCTION ADVANTAGES

Every problem of plaster or stucco construction is met with Berloy Metal Lath.

Important advantages of metal lath construction are:

Fire Resistance—exhaustive tests show metal lath gives greatest resistance of all types of plaster bases.

Sound Resistance—actual tests of leading acoustical authorities show that solid metal lath and plaster partitions are best of all partition constructions for sound resistance.

Reinforcement—increased partition rigidity is gained because metal lath cores permit homogeneous plaster construction from one face through to the opposite face of the metal lath.



BERLOY EXPANDED METAL LATH

DIAMOND (EXPANDED METAL) LATH STANDARD MESH

For firestops, cornices, false beam and column work and solid partitions. An ideal "general purpose" lath, easily cut, formed or bent to any shape to meet requirements of architectural design. Economical because small size of diamonds prevents forcing of excessive plaster through to back and also because the rigidity of the sheets permit low cost of erection.

Resquared on both ends to a length of 8 ft. 1 in., with sides absolutely straight. This eliminates the necessity for lapping.

SMALL MESH

Similar in construction to Berloy Standard Mesh except that the diamonds are greatly reduced in size. An economical and highly efficient base for plaster in general construction. The smaller size of the diamonds increases the rigidity of the sheets and offers still greater resistance to the penetration of excess plaster.

Each sheet is perfectly smooth and flat and free from distortion.

CORRUGATED (SELF FURRING) MESH

Particularly advantageous for exterior stucco construction when the lath is attached over sheathing, Berloy Corrugated Mesh eliminates the necessity of separate furring strips.

The $\frac{3}{8}$ in. deep corrugations run the full length of each sheet, spaced 4 in. on centers. These corrugations provide the furring and, by providing exceptional rigidity, permit wider spacing of supports. In Corrugated Mesh construction the plaster or stucco keys in between the lath and the supporting stud or sheathing.

MATERIALS AND WEIGHTS (LBS. PER SQ. YD.)

Steel Painted	2.2, 2.5, 3.0, 3.4
Copper Bearing Steel.....	3.0, 3.4
Toncan Moly. Iron.....	3.4
Galvanized Steel.....	2.5, 3.4

Sheet Sizes: 24x96 in. Packed 9 sheets or 16 sq. yds. per bundle. Also 27x96 in. Packed 10 sheets or 20 sq. yds. per bundle.

TRI-PLEX (FLAT RIB)

A widely used plaster base with characteristic features which produce considerable economy in the construction of a finished interior. Cross strands are so designed that alternate triple rows of keys are deflected in opposite directions, embedding the metal and producing a perfect mechanical bond with a minimum of plaster. The mesh of Tri-Plex lath is so fine that droppage of plaster is practically eliminated. Interlocking edges eliminate the necessity for side lapping, and the rigidity of the sheets allows wider spacing of studs without sacrificing strength in the walls.

MATERIALS AND WEIGHTS (LBS. PER SQ. YD.)

Steel Painted	2.75, 3.0, 3.4
Copper Bearing Steel.....	3.4
Toncan Moly. Iron.....	3.4
Galvanized Steel.....	3.4

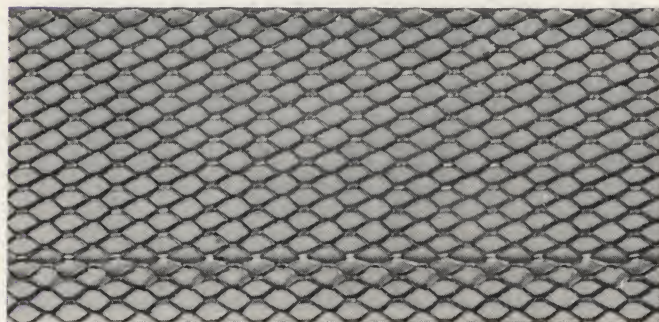
Sheet Sizes: 24x96 in. Packed 9 sheets or 16 sq. yds. per bundle.



STANDARD MESH DIAMOND LATH



SMALL MESH DIAMOND LATH



CORRUGATED OR SELF-FURRING DIAMOND LATH



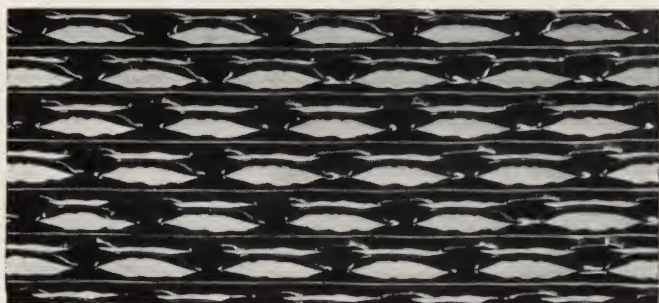
TRI-PLEX (FLAT RIB) LATH



BERLOY EXPANDED METAL LATH



3/8 IN. RIBPLEX LATH



BOSTWICK SHEET LATH



STUCCO MESH



FURRING
NAIL
INSTALLED



FURRING NAIL

3/8 IN. RIBPLEX LATH

For suspended ceilings, floor slabs in standard bar joist, floor and roof construction. Also used for attached ceilings under concrete joist construction. $\frac{3}{8}$ in. ribs on 4 in. centers take the place of furring strips and nest together at sides and ends to make a rigid splice and a uniform plastering surface—a saving of labor and material. The flattened strands in $\frac{3}{8}$ in. Ribplex decrease the size of the mesh openings and give a perfect key while requiring a minimum amount of plaster.

The sheets are convenient to handle and easy to erect, with no sharp cutting edges; ends are resquared after forming.

MATERIALS AND WEIGHTS (LBS. PER SQ. YD.)

Steel Painted.....	3.0, 3.4, 4.0
Copper Bearing Steel	3.4
Toncan Moly. Iron.....	3.4
Galvanized Steel	3.4

Sheet Sizes: 24x96 in. Packed 9 sheets or 16 sq. yds. per bundle.

BOSTWICK SHEET LATH

An ideal base for tile backing, due to its extreme rigidity and resistance to the penetration of plaster. This type of lath actually requires less plaster than wood. Sharply defined ribs are spaced 1 in. on center, giving an unusual percentage of metal as compared to open area.

Economical for use in straight-away plastering, though due to its design, it does not lend itself to easy bending or forming for architectural plastering. (Where bending or forming is necessary, Berloy Diamond Laths will prove more advantageous.)

MATERIALS AND WEIGHTS (LBS. PER SQ. YD.)

Steel Painted	4.5
Galvanized Steel	5.2

Sheet Sizes: 24x96 in. Packed 9 sheets or 16 sq. yds. per bundle.

STUCCO MESH

A highly satisfactory stucco reinforcement—for use over sheathing—which produces a permanent, fireproof and crack-proof exterior. Expanded from 17 gauge steel, with $1\frac{1}{4}$ in. x $2\frac{1}{2}$ in. diamonds. A special type of nail (shown at left), used for attaching Stucco Mesh to the sheathing, acts as a furring device and securely locks the mesh $\frac{3}{8}$ in. from the sheathing. This accurate furring method and the large size diamond mesh permit the stucco to penetrate the Stucco Mesh and thoroughly embed it.

MATERIAL AND WEIGHT

Supplied in painted steel in 1.8 and 3.6 lbs. per sq. yd. Sheet Sizes: 2 or 4 ft. wide by 8 ft. long. 1.8 lbs. packed 9 sheets (144 or 288 sq. ft.) per bundle. 3.6 lbs. packed 5 sheets (80 or 160 sq. ft.) per bundle. Nails packed 850 per box. 10 nails required per sq. ft. of Stucco Mesh.

SPACING OF SUPPORTS FOR LATH—INCHES

TYPE OF LATH	Vertical Surfaces Partitions, Walls, Furring, etc.								Horizontal Surfaces Ceilings, etc.							
	Weight, sq. yd. lbs.	A	B	C	D	E	F	G	Weight, sq. yd. lbs.	A	B	C	D	E	F	H
FLAT EXPANDED	2.2	§							3.0	x	†					
	2.5	x	†	†					3.4	x	x	†				
	3.0	x	x	†												
	3.4	x	x	†												
FLAT RIB	2.75	x	x	x					2.75	x	†	†				
	3.0	x	x	x	x				3.0	x	x	x	†			
	3.4	x	x	x	x	†			3.4	x	x	x	x			
	4.0	x	x	x	x	†			4.0	x	x	x	x			
$\frac{3}{8}$ -in. RIB or EQUAL IN RIGIDITY	3.0	x	x	x	x	x			3.0	x	x	x	x	x		
	3.4	x	x	x	x	x	x		3.4	x	x	x	x	x	x	#
	4.0	x	x	x	x	x	x	†	4.0	x	x	x	x	x	x	#
SHEET LATH π	4.5	x	x	x	x	x			4.5	x	x	x	x	†		

A—12-in.
B—Over 12-in. Incl. $13\frac{1}{2}$ -in.
C—Over $13\frac{1}{2}$ -in. Incl. 16-in.
D—Over 16-in. Incl. $19\frac{1}{2}$ -in.
E—Over $19\frac{1}{2}$ -in. Incl. $23\frac{1}{2}$ -in.
F—Over $23\frac{1}{2}$ -in. Incl. $31\frac{1}{2}$ -in.
G—Over $31\frac{1}{2}$ -in. Incl. 36-in.
H—Over $31\frac{1}{2}$ -in. Incl. $33\frac{1}{2}$ -in.

x Permissible for all purposes.

§ This weight of lath permissible only for solid partitions, and for cornerite.

† Permissible only for nailed on work (to wood joists or wood stud construction).

‡ This spacing for this lath permissible only for solid partitions.

* Recommended spacings for other weights and types of Sheet Lath may be obtained from Manufacturers.

Permissible only under concrete joists, etc.

Note: Vertical Surfaces—For Concrete Stucco, expanded metal reinforcing weighing either 1.8 or 3.6 lbs. per sq. yd. is used. Supports shall not be greater than 8-in. on centers in both directions.

Note: Horizontal Surfaces—Minimum weight of metal lath for ceiling construction shall be 2.75 lbs. per sq. yd., exclusive of paper or other backing.



BERLOY EXPANDED METAL LATH

3/4 IN. RIBPLEX REINFORCEMENT

Unusual stiffness and weight make this a most effective reinforcement and centering for concrete floors and roofs, and for plaster partitions and ceilings on extremely wide spacing or supports. Also useful in special work such as tanks, curtain walls, culverts and railings.

For floor and roof construction 3/4 in. Ribplex effects substantial savings in dead weight, materials and supporting structure, while offering a perfect combination of fire-resistance, permanence and economy. Ribs, 3/4 in. high at 4.8 in. centers, support the stiff steel mesh.

MATERIALS AND WEIGHTS (LBS. PER 1000 SQ. FT.)

Steel Painted.....	50, 60, 75
Copper Bearing Steel.....	75
Toncan Moly. Iron.....	75
Galvanized Steel	50, 75

Sheet Sizes: 2 ft. wide, 8, 10 or 12 ft. long.

Packed 9 sheets (144, 180 or 212 sq. ft.) per bundle.

SAFE LOAD TABLES FOR ROOF AND FLOOR

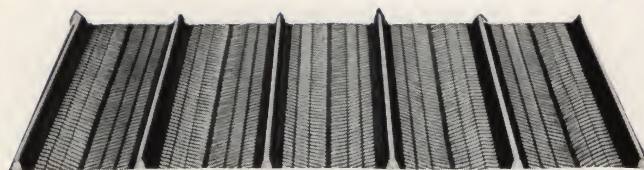
Slab Thickness	Weight per 100 sq. ft.	Max. unsupported span for wet concrete	3	4	5	6	7	8	9	10
2" 24-lb. per sq. ft.	50 60 75	3'-3" 3'-6" 4'-0"	291 346 405	164 194 228	104 124 146	73 85 101	63 74			
2 1/2" 30 lb. per sq. ft.	50 60 75	3'-0" 3'-3" 3'-8"	376 449 588	211 253 331	135 162 211	94 112 147	69 82 108	53 62 81		
3" 36-lb. per sq. ft.	50 60 75	2'-9" 3'-0" 3'-4"	465 550 722	261 309 406	168 198 260	116 137 180	85 101 133	65 77 101	61 84	
3 1/2" 42 lb. per sq. ft.	50 60 75	2'-6" 2'-9" 3'-0"	550 654 861	310 368 484	198 237 310	137 163 214	101 120 158	77 92 121	64 72 96	
4" 48-lb. per sq. ft.	50 60 75	2'-3" 2'-6" 2'-9"	640 756 997	360 425 561	230 272 359	160 188 249	117 139 183	90 106 140	71 84 110	68 90

ACCESSORIES FOR 3/4 IN. RIBPLEX

No. 1 Side Clips are used for supporting side lap between supports or purlins.

No. 2 Purlin Clip is used for attaching 3/4 in. Ribplex to structural steel purlins.

No. 3 Ceiling Clip is used to attach 3/4 in. Ribplex to underside of steel purlins for ceiling construction.



3/4 IN. RIBPLEX REINFORCEMENT



No. 1
SIDE CLIP



No. 2
PURLIN CLIP



SIDE CLIP
APPLIED



Showing Purlin Clip
in Place with Prongs
Hammered Down



No. 3
CEILING CLIP



Laying Concrete
on Ribplex Roof

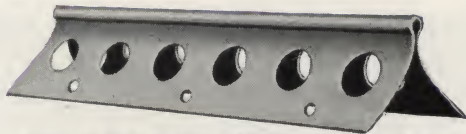
CEILING LATH

Maximum Permissible Spacings of Cold Rolled Furring Channels

As Determined by Stiffness in Lath					As Determined by Span and Stiffness of Channels		
TYPE OF LATH	Weight, sq. yd.	Spacing	Maximum Spans		Span 3/4-in. Channel	Span 1-in. Channel	Maximum Permissible Spacing Center to Center
			3/4-in. Channels	1-in. Channels			
FLAT EXPANDED	3.0 lbs.	12	48	54	30	42	31 1/2
	3.4 lbs.	13 1/2	48	54			
FLAT RIB	2.75 lbs.	12	48	54	36	48	23 1/2
	3.0 lbs.	16	48	54			
	3.4 lbs.	19	42	54			
	4.0 lbs.	19	42	54			
3/4-in. RIB or EQUAL IN RIGIDITY	3.0 lbs.	23 1/2	36	48	42	54	19
	3.4 lbs.	31 1/2	30	42			
	4.0 lbs.	31 1/2	30	42			
SHEET LATH	4.5 lbs.	19	42	54	48	54	16

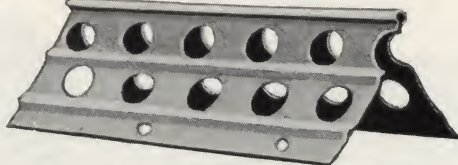


BERLOY PLASTERING COMMODITY PRODUCTS



BERLOY STANDARD WING CORNER BEAD

Especially adaptable to all nail-on work.



BERLOY WIDE FLANGE CORNER BEAD

Recommended for use where extreme rigidity coupled with exceptional width of flange is desired.



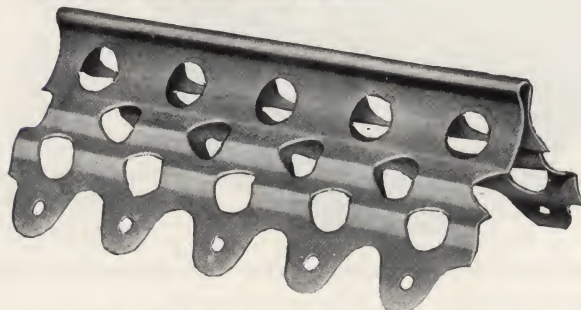
BULL NOSE CORNER BEAD
3/4 IN. RADIUS STANDARD SHORT FLANGE



BERLOY BULL NOSE CORNER BEAD



BERLOY C.B. CLIPS



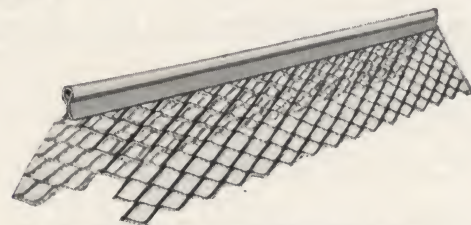
BERLOY WIDE FLANGE SCALLOPED EDGE CORNER BEAD

Where a wider nailing flange is required, this bead fills the demand with a flange width of 2 1/2".



BERLOY STANDARD FLANGE SCALLOPED EDGE CORNER BEAD

Adaptable to all nail-on work. Manufactured with a flange width of 1 3/4".



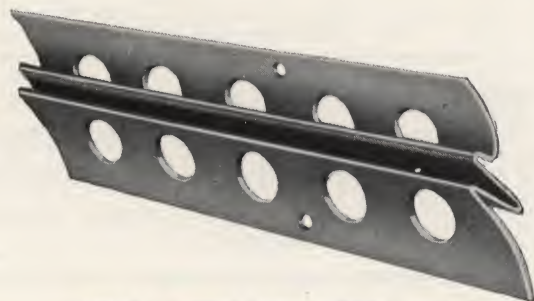
BERLOY EXPANDED CORNER BEAD

Small Nose—Permits keying of the plaster close to the head and leaves no flat surface to which the plaster may not adhere.



BERLOY EXPANDED 3/4" RADIUS BULL NOSE CORNER BEAD

Bull Nose—Used where broad curved corners require extra protection.



BERLOY CONCEALED PICTURE MOLD

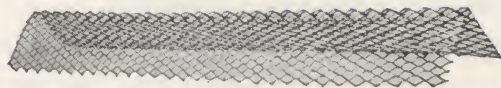
Berloy Concealed Picture Mold is an ideal mold, since it is applied before plastering and is almost invisible when the finish coat is applied.

WEIGHTS AND DIMENSIONS

Commodity	Size, In.	Gauge	Weight, Lbs. Per 1000 Ft.	Lengths, Ft.	Material
Berloy Standard Wing Corner Bead.....	1 3/8"	26	.....	6, 7, 8, 9, 10, 12	Steel Galvanized
Berloy Wide Flange Corner Bead.....	2 1/2"	26	.....	6, 7, 8, 9, 10, 12	Steel Galvanized
Standard Flange Bull Nose.....	3/4" Radius	26	255	6, 7, 8, 9	Steel Galvanized
	3/4" Radius	24	290	10, 12	Steel Galvanized
2 1/2" Wide Flange Bull Nose.....	3/4" Radius	26	420	6, 7, 8, 9, 10, 12	Steel Galvanized
Berloy Wide Flange Scalloped Edge Corner Bead.....	2 1/2"	26	320	6, 7, 8, 9	Steel Galvanized
	2 1/2"	24	416	10, 12	Steel Galvanized
Berloy Standard Flange Scalloped Edge Corner Bead.....	1 3/4"	26	220	6, 7, 8, 9	Steel Galvanized
	1 3/4"	24	245	10, 12	Steel Galvanized
Berloy Concealed Picture Mold.....		26	220	10	Steel Galvanized
Berloy Corner Bead Clips.....		26	25	.....	Blue Steel
Berloy Expanded Corner Bead Small Nose.....	2 1/2"	26	210	6, 7, 8, 9	Steel Galvanized
	2 1/2"	24	240	10, 12	Steel Galvanized



BERLOY PLASTERING COMMODITY PRODUCTS



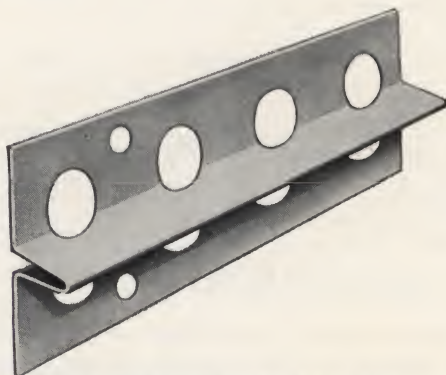
CORNERITE

A practical and economical reinforcement for all inside plaster corners. Formed from a sheet of diamond mesh lath, it fits into the room corners and reinforces the plaster in all directions.



STRIP-ITE

For forming plaster reveals around window and door openings; for reinforcing odd shaped corners; for all types of plastering patch work; for any openings that are narrower than a full width sheet of lath; for reinforcing plaster and wall board joints and corners.



BERLOY STRAIGHT POINT BASE SCREED

For use as a finished edge for concrete or other troweled bases when they come flush with the plaster.



MODIFIED SQUARE SHORT FLANGE CASING (Also made with Long Flange)



SHORT FLANGE CASING



EXPANDED FLANGE CASING

BERLOY STEEL CASINGS

These flush type casings are sanitary, easy to clean and in keeping with the general simplicity of modern interiors. They prevent cracking of the plaster, and air leakage around door and window openings. They are made with both solid and expanded type of flange.

WEIGHTS AND DIMENSIONS

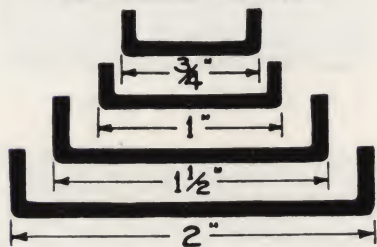
Commodity	Size, In.	Gauge	Weight, Lbs. Per 1000 Ft.	Lengths, Ft.	Material
Berloy Cornerite.....	2x2	.....	80	8	Painted Steel or Galv. Steel
	3x3	.....	120	8	Painted Steel or Galv. Steel
	4x4	.....	160	8	Painted Steel or Galv. Steel
Berloy Strip-ite.....	3"	.....	60	8	Painted Steel or Galv. Steel
	4"	.....	80	8	Painted Steel or Galv. Steel
	6"	.....	120	8	Painted Steel or Galv. Steel
Berloy Straight Point Base Screed.....	1 1/2"	26	185	10	Steel Galvanized
	2"	26	215	10	Steel Galvanized
	2 1/2"	24	230	10	Steel Galvanized
	3"	24	270	10	Steel Galvanized
Solid Flange Casings				6, 7, 7'4", 8, 9, 10, 12	
Modified Square.....		24	210		Steel Galvanized
		20	250		Steel Galvanized
Wide Modified Square.....		24	310		Steel Galvanized
		20	350		Steel Galvanized
Wide Flange Square.....		24	250		Steel Galvanized
		20	290		Steel Galvanized
Short Flange Square.....		24	220		Steel Galvanized
		20	320		Steel Galvanized
Short Flange Bull Nose.....		24	220		Steel Galvanized
		20	320		Steel Galvanized
Wide Bull Nose.....		24	340		Steel Galvanized
		20	450		Steel Galvanized
Expanded Flange Casings				7, 7'6", 8, 9, 10, 12	
2 3/4" Bull Nose.....		24	350		Steel Galvanized
2 3/8" O. G.....		24	350		Steel Galvanized
2 3/4" O. G.....		24	350		Steel Galvanized
Special.....		24	435		Steel Galvanized



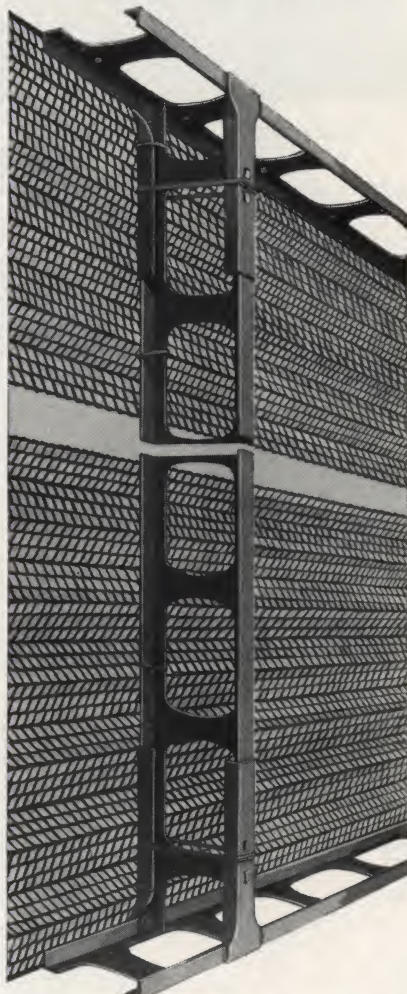
BERLOY PLASTERING COMMODITY PRODUCTS



COLD ROLLED CHANNELS



CROSS SECTIONAL VIEW OF BERLOY COLD ROLLED CHANNELS



HOLLOW PARTITION STUDS

BERLOY COLD ROLLED CHANNELS

For suspended ceilings, partitions, etc., Berloy Cold Rolled Channels are straight and true, with square corners that prevent rolling. Flanges are $\frac{3}{8}$ in. high, standard lengths 16 and 20 feet. $\frac{3}{4}$ in. and 1 in. channels are shipped 20 pieces to bundle; $1\frac{1}{2}$ in. and 2 in., 10 pieces to bundle.

Weights per 1,000 linear feet are as follows: $\frac{3}{4}$ in. channel, 276 lbs.; 1 in. channel, 332 lbs.; $1\frac{1}{2}$ in. channel, 422 lbs.; 2 in. channel, 553 lbs.

BERLOY HOT ROLLED CHANNELS, ANGLES AND BANDS

Hot Rolled Channels, Angles, and Bands are available in the following sizes and weights per 1,000 linear feet.

Channels: $\frac{3}{4}$ " — 300 lbs.	Angles: $1\frac{1}{2}$ "x $1\frac{1}{2}$ "x $\frac{1}{8}$ " — 1150 lbs.
1" — 410 lbs.	$1\frac{1}{2}$ "x $1\frac{1}{2}$ "x $\frac{3}{16}$ " — 1650 lbs.
$1\frac{1}{2}$ " — 850 lbs.	Flats: 1"x $\frac{1}{8}$ " — 380 lbs.
2" — 1250 lbs.	1"x $\frac{3}{16}$ " — 580 lbs.

BERLOY HOLLOW PARTITION STUDS

Berloy Hollow Partition Studs installed on any job assure permanence, rigidity and economy. Because of their unique design, they provide rigid construction. When metal lath is attached to both sides of these studs an ideal base for plaster is obtained. There is no necessity for cutting expensive chases for electrical conduits or pipes as the design of these studs provides maximum room for their passage without sacrificing the strength of the studs.

Berloy Hollow Partition Studs are fire-safe, provide excellent heat insulation, sound resistance and are rodent and termite proof. They will not swell or warp and will resist impact, vibration or plaster cracking much more effectively than partitions built of masonry or gypsum block.

SIZES AND WEIGHTS

2"	Studs and Track	410 lbs. per M Lin. Ft.
3"	Studs and Track	580 lbs. per M Lin. Ft.
$3\frac{1}{4}$ "	Studs and Track	635 lbs. per M Lin. Ft.
4"	Studs and Track	654 lbs. per M Lin. Ft.
6"	Studs and Track	1032 lbs. per M Lin. Ft.

Shoes for 2", 3", $3\frac{1}{4}$ " and 4" Studs 69 lbs. per M Pcs.

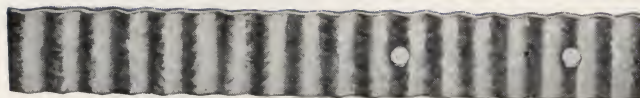
Shoes for 6" Studs 80 lbs. per M Pcs.



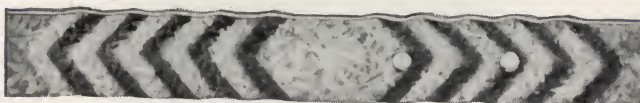
BERLOY PLASTERING COMMODITY PRODUCTS

CORRUGATED AND HERRINGBONE WALL TIES

A series of herringbone corrugations give the ends a firm hold, while the center cannot stretch in use. Herringbone Ties are made from galvanized steel in 26 gauge, 7 in. long x $\frac{7}{8}$ in. wide, crimped both ends, with nail hole in one end for brick veneer work. Shipped in boxes of 1,000 pieces. Weight, approximately 35 lbs. per box.



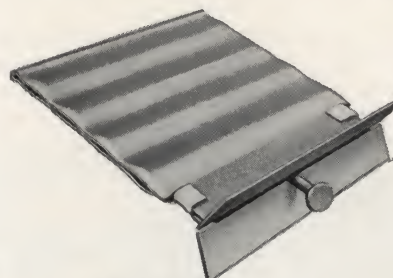
BERLOY CORRUGATED WALL TIES



BERLOY HERRINGBONE WALL TIES

WALL PLUGS

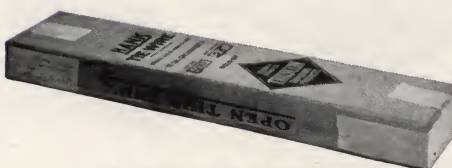
Inserted at masonry joints, Berloy Wall Plugs afford an efficient means of nailing interior trim. Made of heavy galvanized stock. They are $2\frac{7}{8}$ in. deep and $2\frac{1}{4}$ in. wide. Depth of entrance flange is $1\frac{1}{4}$ in. Packed 250 to the carton. Shipping weight, 25 lbs. per carton.



BERLOY WALL PLUG

BERLOY TIE AND HANGER WIRE

Made in a complete range of sizes. For tying, 16 or 18 gauge galvanized or black wire is generally used. For hangers either No. 8 or No. 7 galvanized or black wire. Berloy tie wire comes in 20 in. rolls or in 25 lb. hanks cut to length. Sold by the pound in quantities to meet requirements.



TIE WIRE IN HANKS

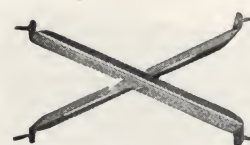


TIE WIRE IN ROLLS

DUPLEX STEEL BRIDGING

Builders and carpenters who desire to speed the work of installing bridging, getting a neat job that costs considerably less than wood bridging and at the same time is stronger and better looking, will appreciate the features of Duplex Steel Bridging. Made in one piece, it is easier to handle, and as only four nails are required, the carpenter can work faster with less danger of splitting the joists. A simple twist and TWO braces are ready for placing.

Packed 25 pcs. per Bundle.



DUPLEX BRIDGING

METAL ARCHES

The arches are fabricated of Galvanized Steel and are perfectly formed. The corner bead is integral with the arch. They are inexpensive in first cost and are easily erected. Made in Half Circle, Gothic and Elliptic design. They are made for use with 2x4 in. studs. The studs should be spaced $1\frac{1}{2}$ in. wider than the finished opening.

STYLES OF METAL ARCHES

Style of Arch	Spacing at Studs or Bucks in.	Width of Finished Opening in.	Height from Spring Line to Crown, in.
No. 11	$21\frac{1}{2}$	20	10
No. 22	33	$31\frac{1}{2}$	$15\frac{3}{4}$
No. 33	33	$31\frac{1}{2}$	$11\frac{3}{8}$
No. 44	51	$49\frac{1}{2}$	$12\frac{1}{2}$
No. 55	63	$61\frac{1}{2}$	13
No. 66	72	$70\frac{1}{2}$	13

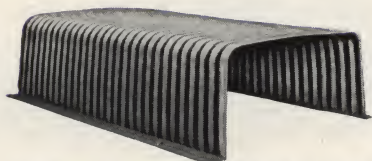


METAL ARCH

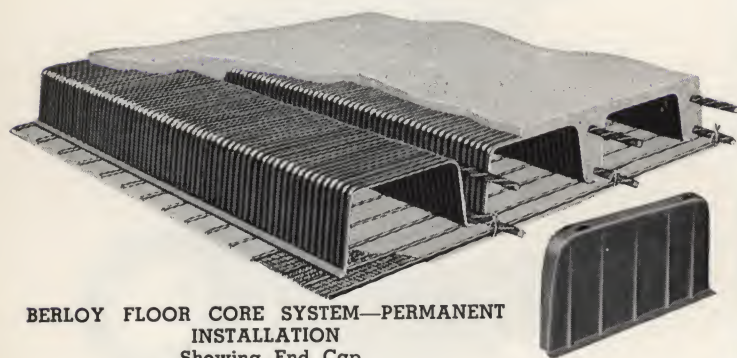
Above arches are for Standard 2x4 in. studding. They can also be supplied for 2x6 in., 2x8 in., or 2x10 in. studding. Packed in one-set cartons only.



BERLOY BUILDING ACCESSORY PRODUCTS



STRAIGHT SIDE PERMANENT CORE



BERLOY FLOOR CORE SYSTEM—PERMANENT
INSTALLATION
Showing End Cap

BERLOY FLOOR CORE SYSTEM— PERMANENT INSTALLATION

Berloy Permanent Core System is an ideal type of reinforced concrete floor construction. Sheet metal cores are 26 gauge, stiffened with deep corrugations, and remain permanently on the floor. In construction $\frac{3}{8}$ in. Ribplex Lath (for the ceiling) is placed on open centering. Cores are then laid on top of the Ribplex and nailed to the plank centering. Reinforcing steel erected in place and concrete placed over the cores complete the floor. After concrete has set, centering is withdrawn and lath ceiling is ready for plastering.

END CAPS

Each row of cores or forms will require 2 or more end caps. Where an opening occurs, 2 end caps will be required as well as the 2 on the ends of the row. There is a proper end cap for all standard sizes and shapes.

Permanent end caps are 28 gauge.

STANDARD SIZES AND SHAPES

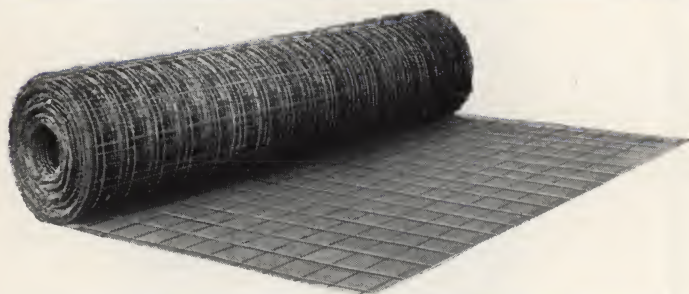
Standard widths, 20 in. Standard depths, 6 in., 8 in., 10 in., 12 in., 14 in. Length, 3 ft. 0 in and 1 ft. 6 in. Gauge 26. Material—Open hearth steel.

Special widths, 12 in. and 16 in.

Also Single Tapered from 20 in. to 16 in. in width and Double Tapered 20 in. to 16 in. in width and depth decreased by two inches at one end.

Tapered Cores furnished in 3 ft. 0 in. length only.

Tapered Cores not furnished in special or narrow widths.



BERLOY WELDED STEEL FABRIC

An ideal reinforcement for concrete pavements, roadways, floors, driveways, sidewalks, sewer pipe, viaducts, retaining walls or wherever concrete is used. Write for key table of dimensions, areas and weights.



BERLOY EXPANDED METAL

BERLOY EXPANDED METAL

Berloy Expanded Metal is recommended for reinforcing material, partitions, gratings, machine guard purposes, lockers and similar work.

Where the nature of the work requires an open mesh material that is strong, light in weight, easy to handle and rigid but workable, Berloy Expanded Metal is economical and thoroughly practical.



BERLOY BUILDING ACCESSORY PRODUCTS

BERLOY STEEL BASEMENT WINDOW

TOP
HINGED



BOTTOM
HINGED

Berloy Steel Basement Windows give maximum daylighting; cannot warp or stick; they open easily, are weathertight and are simple to screen.

There are five standard stock sizes.

Steel mullions for joining two or more basement windows side by side in the same opening are also carried in stock.

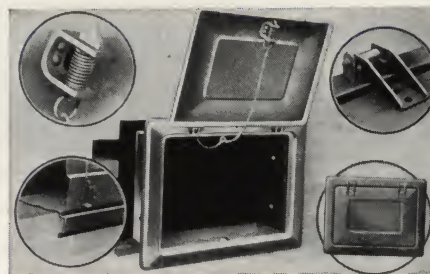
Glass Size	Lights	Window Opening Size
10"x12"	3	2' 9 1/2"x1' 3"
10"x20"	3	2' 9 1/2"x1' 11"
12"x18"	3	3' 3 1/2"x1' 9"
14"x20"	2	2' 7 1/4"x1' 11"
*10"x12"	2	1' 11 1/4"x1' 3"

*Only in Top Hinged.

SCREENS FOR BASEMENT WINDOWS

Screens for basement windows are carried in stock at the plant for immediate shipment. Screens have steel frames and 16 mesh bronze cloth.

BERLOY COAL CHUTES



A convenient and economical improvement on the "cellar window." Breakproof, weather-proof and thief-proof. Simple construction made without castings; door and frame being of heavy rust-resisting copper bearing pressed steel.

Sold complete with positive spring latch, slotted hinges, which hold the door open, and formed lugs, which act as anchors for cementing in masonry openings.

STANDARD SIZES

Frame: 27 in. wide by 21 1/4 in. high.

Door: 22 in. wide by 16 in. wide.

Depth: 8 in. or 12 in.

BERLOY FORMED STEEL LINTELS



Berloy Formed Steel Lintels can be used for all openings up to 6 ft. 3 in. which do not require structural lintels. They are used with wood windows as well as with steel windows.

The continuous horizontal ribs and the turned edges provide much greater strength than plain formed angles of the same size and provide a proper bed for the brick and mortar. The 3 1/2 in. horizontal leg does not extend beyond the face of the brick. Lintels receive a shop coat of paint before shipment.

Lengths—2 ft. 0 in. to 4 ft. 6 in. Lengths—5 ft. 0 in. to 7 ft. 0 in.
3 1/2 in. x 3 1/2 in. x 11 Ga. 3 1/2 in. x 4 1/2 in. x 9 Ga.

OTHER BERLOY STEEL BUILDING PRODUCTS

Galvanized and Black Sheets
Toncan Iron
Stainless Steel
Roofing, Siding and Accessories
Battens, Corners
Box and Roll Terne
Long Ternes, Valleys
Coke Tin Plate

Eaves Trough
Conductor Pipe
Mitres, Elbows, Ends
Cutoffs, Strainers, etc.
O. G. Gutters, Formed and Roll Valley
Ridge Roll
Hangers and Accessories

Steel Ceilings
Metal Shingles
Parabolume Lighting Unit
Nails, Staples
Barb and Smooth Wire
Woven Fence and Netting
Posts, Gates, etc.



WAREHOUSES AND BRANCH OFFICES

Boston, Mass.	Philadelphia, Pa.
307 Dorchester Ave.	16th St. & Washington Ave.
Phone: S. Boston 1600	Phones: Bell-Fulton 2525
	Keystone-Race 5662

WAREHOUSES

Chicago, Ill.	St. Louis, Mo.
West 16th St. & Kostner Ave.	Bradford St. & Washington Ave.
Phone: Crawford 5448-9	Phone: Main 2428
Springfield, Ill.	Springfield, Mo.
216 E. Washington St.	513 W. Main St.
Phone: Main 2428	Phone: Main 2428

DISTRICT SALES OFFICES

New York, N. Y.	521 Liggett Bldg., 41 E. 42nd St.—Ph
Chicago, Ill.	704 Builders Bldg., 228 N. LaSalle St.—Ph
Minneapolis, Minn.	604 McKee Bldg., 18 N. 4th St.—Ph
Dallas, Tex.	612 Construction Bldg., 1000 Ross St.—Ph

BERGER MANUFACTURING
 Republic Steel Corporation
 CANTON - OHIO

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Boston, Mass.	Philadelphia, Pa.	St. Louis, Mo.
307 Dorchester Ave.	16th St. & Washington Ave.	1425-31 No. 2nd St.
Phone: S. Boston 1600	Phones: Bell-Fulton 2525	Phone: Garfield 0090
	Keystone-Race 5662	

WAREHOUSES

Chicago, Ill.	St. Paul, Minn.
West 16th St. & Kostner Ave.	Bradford & Endicott St.
Phone: Crawford 5448-9	Phone: Midway 2794
Springfield, Ill.	Springfield, Mo.
216 E. Washington St.	513 West Olive St.
Phone: Main 2428	Phone: 232

DISTRICT SALES OFFICES

New York, N. Y...521 Liggett Bldg., 41 E. 42nd St.—Phone: Murray Hill 28232
 Chicago, Ill.....704 Builders Bldg., 228 N. LaSalle St.—Phone: State 1434
 Minneapolis, Minn...604 McKee Bldg., 18 N. 4th St.—Phone: Atlantic 7780
 Dallas, Tex.....612 Construction Bldg.—Phone: 7-3423

BERGER MANUFACTURING DIVISION

Republic Steel Corporation

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